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2007年学术论文

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1	Batch treatment of industrial components using plasma immersion ion implantation and deposition	L.P. Wang, Y.H. Wang, Y.H. Yu, H.X. Liu	Surface & Coatings Technology	2007, 201: 6585-6588	SCI
2	Particle-in-cell simulation of metal plasma flow in dual plasma deposition	L.P. Wang, Y.H. Yu, X.F. Wang, B.Y. Tang	Surface & Coatings Technology	2007, 201: 6576 - 6580	SCI
3	TiN/ZrO ₂ multilayers synthesized on GCr15 bearing steel using plasma immersion ion implantation and deposition	Tao Sun, Langping Wang, Yonghao Yu, Yuhang Wang, Xiaofeng Wang	Surface & Coatings Technology	2007, 201: 6615 - 6618	SCI
4	Fatigue life and mechanical behaviors of bearing steel by nitrogen plasma immersion ion implantation	Hongxi Liu, Baoyin Tang, Langping Wang, Xiaofeng Wang	Surface & Coatings Technology	2007, 201: 5273-5277	SCI
5	Rolling contact fatigue and mechanical properties of titanium carbide film synthesized on bearing steel surface	Hong-xi Liu, Xiao-feng Wang, Lang-ping Wang	Surface & Coatings Technology	2007, 201: 6606-6610	SCI
6	Microstructures and wear resistance of large WC particles reinforced surface metal matrix composites produced by plasma melt injection	Aiguo liu, Miamhuan Guo, Minhai Zhao, Changbai Wang	Surface & Coating Technology	2007, 201: 7978-7982	SCI
7	Anode Current Effects in Plasma Electrolytic Oxidation	C. B. Wei, X. B. Tian, S. Q. Yang, X. B. Wang, R. K. Y. Fu, P. K. Chu	Surface and Coatings Technology	2007. 201(9-11):5021-5024	SCI

8	Particle-in-Cell Numerical Simulation of Non-Uniform Plasma Immersion Ion Implantation	Y. X. Huang, X. B. Tian, S. Q. Yang, R. K. Y. Fu, P. K. Chu	Surface and Coatings Technology	2007. 201(9-11):5458-5462	SCI
9	Antibacterial copper-containing titanium nitride films produced by dual magnetron sputtering	Tian, X. B., Wang, Z. M., Yang, S. Q., Luo, Z. J., Fu, R. K. Y., Chu, P. K.	Surface & Coatings Technology	2007. 201(19-20):8606-8609	SCI
10	Plasma processing of AISI 304 stainless steel using radio frequency hollow cathode discharge	Tian, X. B., Jiang, H. F., Yang, S. Q., Luo, Z. J.	Surface & Coatings Technology	2007. 201(19-20):8650-8653	SCI
11	Plasma distribution in the slender bore excited by coaxial rf electrode	Cui, J. T., Tian, X. B., Yang, S. Q., Hu, T.	Surface & Coatings Technology	2007. 201(15):6651-6654	SCI
12	Three Dimensional Monte Carlo Simulation of Grain Growth in HAZ of Stainless Steel SUS316	Yanhong Wei, Yanli Xu, Zhibo Dong, Jilin Xiao	Key Engineering Materials	2007, 353-358:1923-1926	EI I STP
13	Effects of arc distance on angular distortion by asymmetrical double sided arc welding	Zhang H.J., Zhang G.J., Wu L.	Science and Technology of Welding and Joining	2007, 12(6): 564-571	SCI
14	Arc-Heating Hot-wire Assisted Arc Welding Technique for Low-Resistance Welding Wire	S.X. Lv, X. B. Tian, H.T.Wang, S. Q. Yang	Science and Technology of Welding and Joining	2007, 12(5)431-435	SCI
15	Novel approach to enhancement of ultrasonic TOFD B-scan image for measurement of weld	Gang Tie, Chi Dazhao	Science and Technology of Welding and Joining	2007,12(1): 87-93	SCI
16	Vacuum brazing of the C/C composite and Ti-6Al-4V with AgCu braze alloy	Qin Youqiong, Feng Jicai	Science and Technology of Welding and Joining	2007, 12(2): 1-4 没有正式发表	SCI
17	Numerical simulation of columnar dendritic grain growth during weld solidification process	Y. H. Wei, X. H. Zhan, Z. B. Dong, L. Yu	Science and Technology of Welding and Joining	2007, 12(2): 138-146	SCI
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24	Reactive wetting of Sn0.7Cu-xZn lead-free solders on Cu substrate	HongqinWang, Fengjiang Wang, Feng Gao, Xin Ma, Yiyu Qian	Journal of Alloys and Compounds	2005,433: 302-305	SCI
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27	Abel inversion using Legendre wavelets expansion	Shuiliang Ma, Hongming Gao, Guangjun Zhang, Lin Wu	Quant. Spectrosc. Radiat. Transfer	2007, 107(1): 61-71	SCI EI
28	Effect of hydrogen on diffusion bonding of the hydrogenated Ti6Al4V alloy containing 0.3 wt.% hydrogen	J. C. Feng, H. Liu, P. He, J. Cao	International Journal of Hydrogen Energy	2007,32 (14): 3054-3058	SCI
29	Effect of reaction heat on reactive joining of TiAl intermetallics using Ti-Al-C interlayers	J. Cao, C. Feng, Z. R. Li	Scripta Materialia	2007,57 (5): 421-424	SCI
30	Microstructure and mechanical properties of C/C composite/TC4 joint using AgCuTi filler metal	Youqiong Qin, Jicai Feng	Materials Science and Engineering A	2007,454-455: 322-327	SCI
31	Optical and mechanical properties of alumina films fabricated on Kapton polymer by plasma immersion ion implantation and deposition using different biases	Huang Y.X., Tian X.B., Yang S.Q., Fu R.K.Y., Chu P.K.	Applied Surface Science	2007,253 (24): 9483-9488	SCI

32	Effects of bias on surface properties of TiN films fabricated by hollow cathode discharge	Jiang, H. F., Tian, X. B., Yang, S. Q., Fu, R. K. Y.	Journal of Vacuum Science & Technology A	2007,25 (4): 837-842	SCI
33	Expulsion in Resistance Spot Welding of AZ31B Magnesium Alloy	Z.D. Zhang, Y.R. Wang, D.Q. Li	Materials Science Forum	2007,54 6-549: 443-446	SCI
34	Comparison of interface evolution of ultrasonic aluminum and gold wire wedge bonds during thermal aging	Hongjun Ji, Mingyu Li, Chunqing Wang	Materials Science and Engineering A	2007,44 7: 111 - 118	SCI
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37	Influence of thermal cycling on the microstructure and shear strength of Sn3.5Ag0.75Cu and Sn63Pb37 solder joints on Au/Ni metallization	H.T. Chen, C.Q. Wang, M.Y. Li	Journal of Materials Science and Technology	2007, 23 (1): 68-72	SCI

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